

7 th RISE Symposium (Research Insights in Semiarid Ecosystems) Saturday, 02 October 2010		
Marley Building, Room 230		
8:30-9:00	Registration	Talk Title
9:00-9:20	Mitch McClaran and Susan Moran	RISE Welcome, Activities at WGEW and SRER
9:20-9:30	Jon Chorover UA SWES	Critical Zone Observatory: Update
9:30-9:50	Erik Hamerlynck USDA ARS SWRC	Synthesis of responses to Lehmann lovegrass invasion at Walnut Gulch Experimental Watershed
9:50-10:10	Tom Meixner UA HWR	Hydrologic control of upland impacts on perennial water quality
10:10-10:30	Enrique Vivoni ASU SESE	Land surface ecohydrology of the North American Monsoon System
10:30-11:00	Poster introductions	Poster abstracts presented by poster authors
11:00-1:00	Poster Session	Authors will be with their posters in the hall outside the conference room
12:00-1:00	Lunch w/ Posters	<i>Provided at the meeting; included in RISE registration fee</i>
1:00-1:20	Matt & Ashley Rowe SHSU & UT	An integrative approach to studying coevolution between bark scorpions and grasshopper mice
1:20-1:40	Markus Tuller UA SWES	Geophysical characterization of inactive mine tailings – A first step for revegetation
1:40-2:00	Jason Field UA SNRE	Wind and water sediment transport under climate extremes and land management practices
2:00-2:20	Peter Gierlach (Petey Mesquitey) KXCI Radio	The stories and songs of my people: Observations of flora and fauna in the desert grassland
2:20-2:30	Discussion	All speakers and poster authors will be in attendance

POSTERS

P1	Fadzayi Mashiri UA SNRE	Adaptive management approach to livestock grazing on the SRER
P2	Zach Sugg UA SGD	Aerial photo classification for monitoring the spread of <i>Eragrostis lehmanniana</i> in a semiarid Arizona grassland
P3	Krystine Nelson UA SNRE	Continuous monitoring of dynamic pulse-driven phenological phases in a semiarid shrubland
P4	Pamela Nagler USGS SBSC	Monitoring impacts of Tamarix leaf beetles (<i>Diorhabda elongata</i>) on the leaf phenology and water use of Tamarix spp. using ground and remote sensing methods
P5	Jose Raul Romo Leon UA SGD	Remote-sensing shows restoration treatments affect post-fire responses of forests in the Jemez Mountains, New Mexico
P6	Haiyan Wei USDA ARS SWRC	Interpolation vs. nearest gauge: Comparing estimates of precipitation at distant study sites
P7	Shea Burns USDA ARS SWRC	The Automated Geospatial Watershed Assessment for Rangelands (R-AGWA): A GIS-based hydrologic modeling tool for watershed assessment and analysis
P8	Viktor Polyakov USDA ARS SWRC	A comparison of two stream gauging systems for measuring runoff and sediment yield on semi-arid watershed
P9	Dawn Browning USDA ARS JRN	Field validation of biomass retrieved from Landsat for rangeland assessment and monitoring
P10	Zulia Sanchez-Mejia UA SNRE	Influence of temporal variation in the vertical distribution of soil moisture on the surface radiation budget: Implications for semiarid land-atmosphere interactions
P11	Andrew Neal UA SNRE	Vertical distribution of soil moisture as a control on respiration in dryland ecosystems
P12	Daniel Bunting UA SNRE	Estimating large-scale evapotranspiration in arid and semi-arid systems: A multi-site study linking MODIS and Ameriflux data
P13	Guillermo Ponce-Campos UA SWES	MODIS EVI as a proxy for net primary production across precipitation regimes
P14	Steve Archer UA SNRE	Lateral roots and lignotubers: overlooked components of ecosystem carbon pools in drylands
P15	Rachel Power ASU* DB	Wind and water-driven resource redistribution at the vegetation-patch scale in a semiarid shrubland: Characterizing rates of soil-litter mixing
P16	Tyson Swetnam UA SNRE	Aerial LiDAR vegetation analysis over southeastern Arizona

RISE Organizing Committee: Mark Heitlinger, Mitch McClaran, Susan Moran markh@Ag.arizona.edu mcclaran@u.arizona.edu susan.moran@ars.usda.gov	Undefined Acronyms: ARS: Agricultural Research Service ASU: Arizona State University ASU*: Appalachian State University CE: Cooperative Extension DB: Dept. Biology HWR: Dept. Hydrology and Water Resources JRN: Jornada Experimental Range SBSC: Southwest Biological Science Center SESE: School of Earth and Space Exploration SGD: School of Geography and Development SHSU: Sam Houston State University SNRE: School of Natural Resources and the Environment SWES: Soil Water and Environmental Science SWRC: Southwest Watershed Research Center UA: University of Arizona USDA: United States Department of Agriculture USGS: United States Geological Survey UT: University of Texas, Austin WGEW: Walnut Gulch Experimental Watershed
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